BRUHATH BANGALORE MAHANAGARA PALIKE

MODIFIED DRAFT TENDER SCHEDULE

Name of work:Improvements to Roads and Drains surrounding in Ward No.10

Sl.No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
1	240.94	Removing and resetting of footpath slab	Sqm	219.05	Rupees Two Hundred Nineteen And Paise Five Only
2	558.15	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	144.55	Rupees One Hundred Forty Four And Paise Fifty Five Only
3	75.30	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1. Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408	Cum	4699.00	Rupees Four Thousand Six Hundred Ninety Nine Only
4	141.99	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm	Cum	7416.64	Rupees Seven Thousand Four Hundred Sixteen And Paise Sixty Four Only
5	14.66	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2	Sqm	286.88	Rupees Two Hundred Eighty Six And Paise Eighty Eight Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
6	71.76	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	398.00	Rupees Three Hundred Ninety Eight Only
7	18.00	Providing and laying in Position Palin/ Reinforced cement concrete M-20 for Sub Structure/ Super Structure Works,in with cement @ 320 kg, 20mm & down size graded graniteMetal Coarse Aggrigate @ 0.69 cum and fine aggregates @ 0.46 cum, Machine Mixed with super plasticiser @ 3lts confirmingto IS-9103- ,2008 Concrete laid in layers,Well Compacted and Providing Weep Holes Wherever Necessery Scoffolding, form work etc,, including Cost of Labour, HOM Curing etc,, complete **(Quantity Upto 125%)**	Cum	5536.35	Rupees Five Thousand Five Hundred Thirty Six And Paise Thirty Five Only
	8.15	**Quantity Above 125%**	Cum	5930.49	Rupees Five Thousand Nine Hundred Thirty And Paise Forty Nine Only
8	10.37	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 TMT Bars Fe-500	Tonne	68234.20	Rupees Sixty Eight Thousand Two Hundred Thirty Four And Paise Twenty Only
9	256.01	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.	Sqm	1014.00	Rupees One Thousand Fourteen Only
10	256.01	Providing one line dressing to granite stone slab / granite stone masonry as per specifications	Sqm	997.41	Rupees Nine Hundred Ninety Seven And Paise Forty One Only
11	1401.30	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded)	Mtr	64.49	Rupees Sixty Four And Paise Forty Nine Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
12	36.00	RCC Precast Cover Slab of 250mm thick providing and fixing precast reinforced cement concrete covering slabs of 25cm thick made out of M25 with OPC Cement @340kg/cum with 20mm and down size graded granite metal coarse aggregates at 0.70cum and fine aggrigates at 0.74cum with superplasticiseers,machine mixed includingproviding and removing,centring,shuttering,strutting,propping, etc,,for edge of slabs with TMT Steels (Fe-500) cost and reinforcement charges, including finishing as required with cost of all materials, labours and all lead and lift, HOM Machineries,curing,including cost reinforcement etc..,, complete as per direction of Engineer incharge of the work. **(Quantity Upto 125%)**	Sqm	5472.63	Rupees Five Thousand Four Hundred Seventy Two And Paise Sixty Three Only
	14.07	**Quantity Above 125%**		5472.63	Rupees Five Thousand Four Hundred Seventy Two And Paise Sixty Three Only
13	60.94	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. **(Quantity Upto 125%)**	Cum	999.63	Rupees Nine Hundred Ninety Nine And Paise Sixty Three Only
	6.45	**Quantity Above 125%**		999.54	Rupees Nine Hundred Ninety Nine And Paise Fifty Four Only
14	137.08	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 **(Quantity Upto 125%)**	Cum	45.59	Rupees Forty Five And Paise Fifty Nine Only
	693.65	**Quantity Above 125%**		45.59	Rupees Forty Five And Paise Fifty Nine Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
15	59.06	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. . MORTH Specification No. 601 (**Quantity Upto 125%)**	Cum	4075.26	Rupees Four Thousand Seventy Five And Paise Twenty Six Only
	146.25	**Quantity Above 125%**		4259.87	Rupees Four Thousand Two Hundred Fifty Nine And Paise Eighty Seven Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
16	205.32	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per	Cum	5466.30	Rupees Five Thousand Four Hundred Sixty Six And Paise Thirty Only
17	1368.77	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	75.61	Rupees Seventy Five And Paise Sixty One Only
18	65.63	Wet Mix Macadam - Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **(Quantity Upto 125%)**	Cum	2099.34	Rupees Two Thousand Ninety Nine And Paise Thirty Four Only
	288.40	**Quantity Above 125%**		2099.14	Rupees Two Thousand Ninety Nine And Paise Fourteen Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
19	291.65	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 **(Quantity Upto 125%)**	Sqm	31.30	Rupees Thirty One And Paise Thirty Only
	1250.05	**Quantity Above 125%**		35.58	Rupees Thirty Five And Paise Fifty Eight Only
20	2628.80	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	5.56	Rupees Five And Paise Fifty Six Only
21	2628.80	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm	13.34	Rupees Thirteen And Paise Thirty Four Only
22	43.63	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen.**(Quantity Upto 125%)**	Cum	6721.68	Rupees Six Thousand Seven Hundred Twenty One And Paise Sixty Eight Only
	33.46	**Quantity Above 125%**		7649.42	Rupees Seven Thousand Six Hundred Forty Nine And Paise Forty Two Only

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
23	105.15	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 of MORTH V revision as per IRC SP-53-2015. do Using - 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% of Modified bituminous binder consisting of 4.97% of VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (Waste plastic)	Cum	7715.75	Rupees Seven Thousand Seven Hundred Fifteen And Paise Seventy Five Only
24	100.00	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	477.00	Rupees Four Hundred Seventy Seven Only
25	1001.44	Cost of Haulage including Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.As Per the direction of Engineer Incharge of the work **(Quantity Upto 125%)**	Cum	86.65	Rupees Eighty Six And Paise Sixty Five Only
	550.11	**Quantity Above 125%**		86.65	Rupees Eighty Six And Paise Sixty Five Only
		EXTRA ITEMS			Rupees Nil

No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
E-1	71.00	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54,17 (400x150x200mm)	Sqm	1036.41	Rupees One Thousand Thirty Six And Paise Forty One Only
E-2	9.45	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 25 / Item No. 5.6, PWD SR 2018-19)	Cum	5171.65	Rupees Five Thousand One Hundred Seventy One And Paise Sixty Five Only
E-3	217.13	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)	Sqm	2451.28	Rupees Two Thousand Four Hundred Fifty One And Paise Twenty Eight Only
E-4	1732.38	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3	Sqm	100.07	Rupees One Hundred And Paise Seven Only
E-5	384.00	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page no-147, item no-19.60)	Cum	361.35	Rupees Three Hundred Sixty One And Paise Thirty Five Only

.No	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
E-6	200.96	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material (Page no-153, item no-20.6)	Cum	2092.47	Rupees Two Thousand Ninety Two And Paise Forty Seven Only

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